



SERVICE BULLETIN

Kodak X-Omat PROCESSOR

Eastman Kodak Company, Health Imaging, Rochester, NY 14650

SERVICE BULLETIN NO. 282

May 2000

- 3058 *Kodak X-Omat MULTILOADER 300***
- 3511 *Kodak X-Omat MULTILOADER 300 PLUS***
- 3059 *Kodak X-Omat 270 RA PROCESSOR***
- 3198 *Kodak X-Omat 180 LPS PROCESSOR***
- 3227 *Kodak X-Omat 180 LP PROCESSOR***
- 3434 *Kodak X-Omat 3000 RA PROCESSOR***
- 3027 *Kodak X-Omat M7B PROCESSOR***
- 3407 *Kodak X-Omat M7B-E PROCESSOR***

Note:

There are several Processor Modifications being announced in this Service Bulletin. While some of these Mods have been available for some time in limited quantities, the official announcement had to be postponed due to supply issues.

When possible, you may be able to install more than one Mod during the same service call, and realize a cost and time savings benefit for you and the customer.

Type 2 Mod Kit Available:

Mod 41 / 43 for the 270 RA Integrated Processor in a Multiloader 300

Mod 23 / 24 for the 270 RA Stand-Alone Processor

Mod 10 / 12 for the 180 LP and 180 LPS Processors

The purpose of these Mods is to upgrade the DRYER RACK to the latest production specifications, which will result in improved transport reliability and serviceability. The Mod Kit includes two new SIDEPLATES, two new GEARS, new BEARINGS, new BEARING WASHERS, and the Modification Instructions.

The Mods include the following enhancements:

- The position of the “F” and “E” ROLLERS are changed to better align the film path through the RACK.
- The diameters of the new “F” and “E” ROLLER GEARS are different from the diameters of the old GEARS to compensate for the new positions of the ROLLERS.
- The bottom GUIDE SHOE is now adjustable to reduce the possibility of film scratching when running two-sided emulsion films or when films are run emulsion-down as in the Multiloader 300.
- New tan-colored SIDEPLATE BEARINGS have a significantly longer service life than the old white BEARINGS. (See Service Bulletin #274)
- Plastic BEARING-WASHERS are installed between the SIDEPLATES and the ends of the ROLLERS to reduce friction, wear, and GEAR breakage.

This is a **Type 2** Modification which is normally chargeable, however for a period of 6 months from the date of this Service Bulletin, the Mod Kit will be available free-of-charge from Service Parts Management.

Installation time is approximately 1.5 hours.

The following Modification Kits are now available from Service Parts Management.

Order Modification Kit **7C8712** for:

270 RA Integrated Processor in a Multiloader 300, Mod # 41/43,
Serial No. Range.....101 - 1659 (Serial no. is for the Processor)

270 RA Stand-Alone Processor, Mod # 23/24
Serial No. Range.....101 - 2495

Order Modification Kit **7C8713** for:

180 LP PROCESSOR, Modification # 10/12
Serial No. Range.....101 - 4099 **and** 100,001 – 100,050

180 LPS PROCESSOR, Modification # 10/12
Serial No. Range.....10,001 – 13,564 **and** 125,001 – 125,250

Service Effects:

- The new SIDEPLATES and the old SIDEPLATES are **not** interchangeable.
- The new “F” and “E” ROLLER GEARS and the old “F” and “E” ROLLER GEARS are **not** interchangeable.
- Update the Parts List in your Manual with the new part numbers from the list on page 2 of the Modification Instructions, Pub No. 7C8299.
- Put a copy of the GUIDE SHOE adjustment procedure from the Modification Instructions Pub No. 7C8299, in the “Service” or “Adjustments and Replacements” section of your Manual.

Type 2 Mod Kit Available:

Mod 45 for the 270 RA Integrated Processor in a Multiloader 300

The purpose of this Mods is to improve the reliability of the processor by changing the supply voltage to the QUAD POWER SUPPLY from 240 VAC to 120 VAC. This voltage change allows the QUAD POWER SUPPLY to run cooler, which greatly increases its life expectancy. The Mod Kit includes a new and improved QUAD POWER SUPPLY, to replace the existing POWER SUPPLY which has had its service life shortened by the heat of running at 240 VAC.

This is a **Type 2** Modification which is normally chargeable, however for a period of 6 months from the date of this Service Bulletin, the Mod Kit will be available free-of-charge from Service Parts Management.

Installation time is approximately 1.5 hours.

Special Tool: PIN EXTRACTING TOOL, TL-1580 (or equivalent)

The Modification Kit is now available from Service Parts Management.

Order Modification No. 45, Part No. **3H8299** for:

Serial No. Range:

270 RA Integrated Processor in a Multiloader 300.....101 - 1659 (Serial No. is for the processor)

New Type 2 Mod Kit Available:

Mod 1 for the 3000 RA Integrated Processor in a Multiloader 300 Plus

Mod 2 for the 3000 RA Stand-Alone Processor

The purpose of this Mods is to reduce wear and extend the service life of the DRYER RACK, by installing new BEARING WASHERS between the ROLLER ends and the SIDEPLATES.

This is a **Type 2** Modification which is normally chargeable, however for a period of 6 months from the date of this Service Bulletin, the Mod Kit will be available free-of-charge from Service Parts Management.

Installation time is approximately 1.5 hours.

Special Tool: FEELER GAUGE, 2.70mm (1.05 in.)

The Modification Kit is now available from Service Parts Management.

Order Modification No. 1and 2, Part No. **3H8291** for:

Serial No. Ranges:

3000 RA Integrated Processor in a Multiloader 300 Plus.....30,001 – 30,040 and 150,001 – 150,065
(Serial Nos. are for the Processor)

3000 RA Stand-Alone Processor....3001 – 4350 and 100,001 – 100,125

New Type 2 Mod Kit Available:

Mod 3 for the 3000 RA Stand-Alone Processor

Mod 25 for the 270 RA Processor

The purpose of this Mod is to improve the reliability of the processor by adding a FOAM STRIP to the DRYER END PANEL which will direct the hot air from the DRYER away from the ELECTRICAL BOX. This change allows the QUAD POWER SUPPLY to run cooler, which greatly increases its life expectancy. The Mod Kit includes a new and improved QUAD POWER SUPPLY, to replace the existing POWER SUPPLY which has had its service life shortened by the heat.

This is a **Type 2** Modification which is normally chargeable, however for a period of 6 months from the date of this Service Bulletin, the Mod Kit will be available free-of-charge from Service Parts Management.

Installation time is approximately 1.0 hours.

Special Tool: None

The Modification Kit is now available from Service Parts Management.

Order Modification No. 3 and 25, Part No. **3H8289** for:

Serial No. Ranges:

3000 RA Processor.....3001 – 4410

270 RA Processor.....ALL

New Type 1 Mod Kit Available:

Mod 3 for the M7B-E Processor

Mod 8 for the M7B Processor

The purpose of this Mods is to install two new safety LABELS to comply with safety requirements.

Note:

This is a Type 1 Required safety-related modification, therefore it must be installed as soon as possible.

Installation time is approximately 0.5 hours.

Special Tool: None

The Modification Kit is now available free-of-charge, from Service Parts Management.

Order Modification No. 3 and 8, Part No. **5E1653** for:

Serial No. Ranges:

M7B Processor.....100,053 and below.

M7B-E Processor.....150,081 and below.

New Type 1 required Mod Kit Available:

Mod 13 for the 180 LP and 180 LPS Processors

The purpose of this Mod is to install a new DRYER HEATER and correctly position the WIRES to the DRYER HEATER. Some PROCESSORS may have been manufactured with the WIRES incorrectly positioned, which could cause damage to the WIRES and shorten the life of the HEATER ASSEMBLY.

MODIFICATION 13, p.n. 6E5140, is available through Service Parts Management at no charge for PROCESSORS in the serial number range listed below.

The modification kit consists of a new DRYER HEATER and the MODIFICATION INSTRUCTIONS.

This modification should take approximately ½ hour to complete.

Serial Numbers affected:

180LP.....100,002 through 100,194 Except 100,184 and 100,187
180LPS.....125,200 through 125,280

Note:

This is a safety-related modification, therefore it **must** be installed as soon as possible.

Important:

Please follow the INSTRUCTIONS very carefully when positioning the WIRES for the new HEATER, or the WIRES may be damaged by the heat from the DRYER HEATER.

Larry Weishaar, Service Engineer- Rochester

For More Information:

U.S. Distributors Contact:

**Health Imaging
Customer Support Operations
1-800-336-4722**

GCSS Personnel Contact:

**Film Handling TAC
U.S.: 1-800-822-1414
Canada: 1-800-433-1414
International: 716-724-4675**

Kodak, and *X-Omat* are trademarks.

Pub No. 7C8763

SB_#282.doc

Printed in USA

HEALTH IMAGING

EASTMAN KODAK COMPANY – ROCHESTER, NY 14650

